



State All-Hazard Mitigation Plan Update Pennsylvania Emergency Management Agency

**State Hazard Mitigation Planning Team
Kick-off Meeting
*March 20, 2013***

Agenda

- Welcome and Introductions
- Overview of State Hazard Mitigation Plan (HMP) Development, Roles & Timeline
- SWOT Exercise
- Data Requests
- Risk Assessment
- Mitigation Action Review
- Next Steps and Wrap-Up
- Questions and Comments

What is Hazard Mitigation?

- Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to people and property from natural and man-made hazards and their effects.



Why is the Plan Update Important?

The Plan Update will...

- Prevent loss of life
- Prevent loss of property
- Help provide access to funding:
 -  Federal legislation requires that each state have a FEMA-approved Hazard Mitigation Plan to qualify for some kinds of pre- and post-disaster assistance and funds.

Plan Outline

1. Introduction
2. State Profile
3. Planning Process
4. Risk Assessment
5. Capability Assessment
6. Mitigation Strategy
7. Plan Maintenance
8. Plan Adoption
9. Appendices



Plan Update Priorities

- Pennsylvania Hurricane Sandy (DR-4099) and (EM-3356), 2012
- Pennsylvania Tropical Storm Lee (DR-4030) and (EM-3340), 2011
- Pennsylvania Hurricane Irene (DR-4025) and (EM-3339), 2011
- Pennsylvania Severe Storms and Flooding (DR-4003), 2011
- Pennsylvania Severe Winter Storms and Snowstorms (DR-1898), 2010

Plan Update Priorities

- Integrating THIRA into Risk Assessment
- Using best available data to improve analysis
- Capturing capabilities of Commonwealth
 - Elaborating on land use capabilities
- Sharing success stories



Planning Team Roles & Responsibilities

- Successful plans and mitigation strategies rely on a broad range of stakeholders:
 - Government officials and organizational representatives involved with planning, zoning, engineering, code enforcement and emergency management
- PEMA Role
- Planning Team Roles:
 - Data Contributions
 - Mitigation and Funding Opportunities
 - Plan Review and Evaluation
 - Sub-Committees and Plan Implementation

Data Contributions

The State Planning Team provides:

- GIS and tabular data
- Past Occurrences
- Probability
- New Studies
- Information on vulnerable populations or assets

Complete critical
feedback:

Evaluation of Identified
Hazards and Risk

Identify Mitigation and Funding Opportunities



- Complete critical feedback:
 - Policy, Planning and Funding Assessment Survey

Implementation

Sub-Committee Structure:

- Structural Projects
- Education and Outreach
- Land Use and Planning
- Risk Assessment

Review and Evaluate HMP

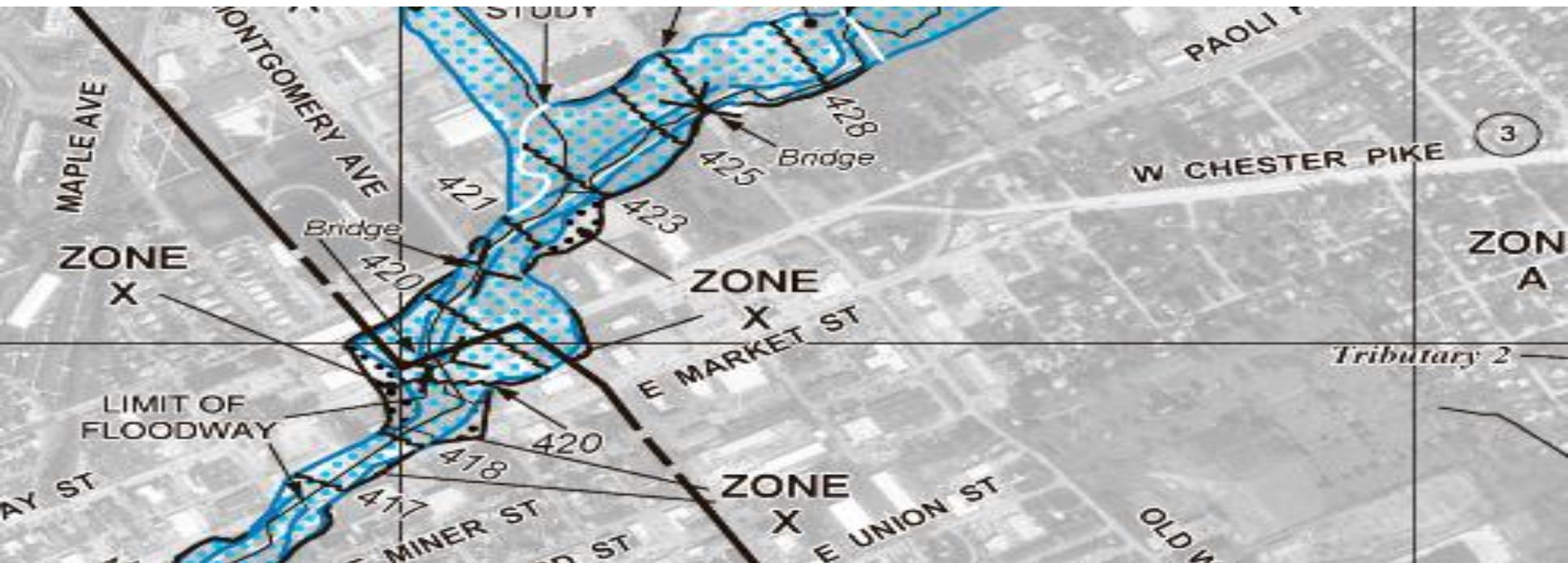
Elements of the plan will be provided for review in meetings, via email and through project website at:

www.pemahmp.com



Group Discussion – SWOT Exercise

Q: What are the **strengths** of your agency/organization for hazard mitigation?



Group Discussion – SWOT Exercise

Q: What are the **weaknesses** of your agency/organization for hazard mitigation?



Group Discussion – SWOT Exercise

Q: What are the **opportunities** of your agency/organization for hazard mitigation?



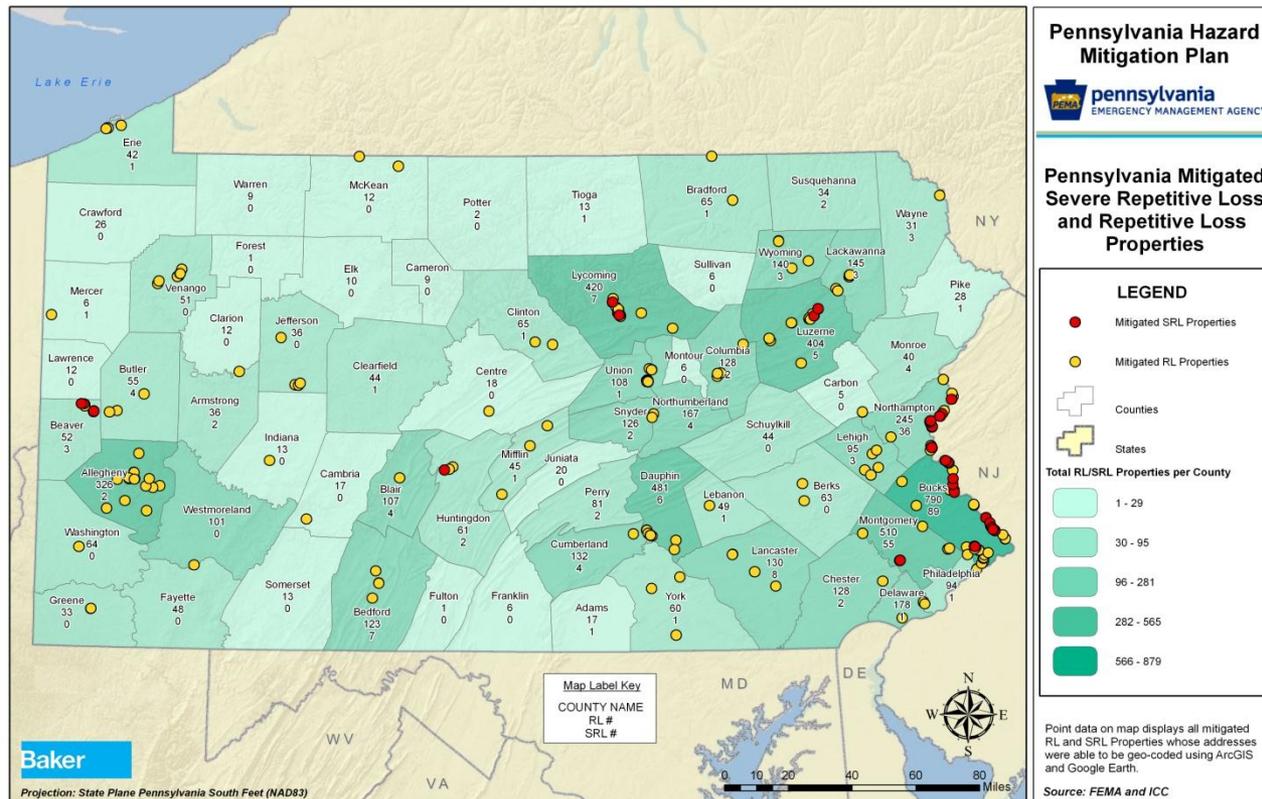
Group Discussion – SWOT Exercise

Q: What are the **threats** to your agency/ organization for hazard mitigation?



Data Requests

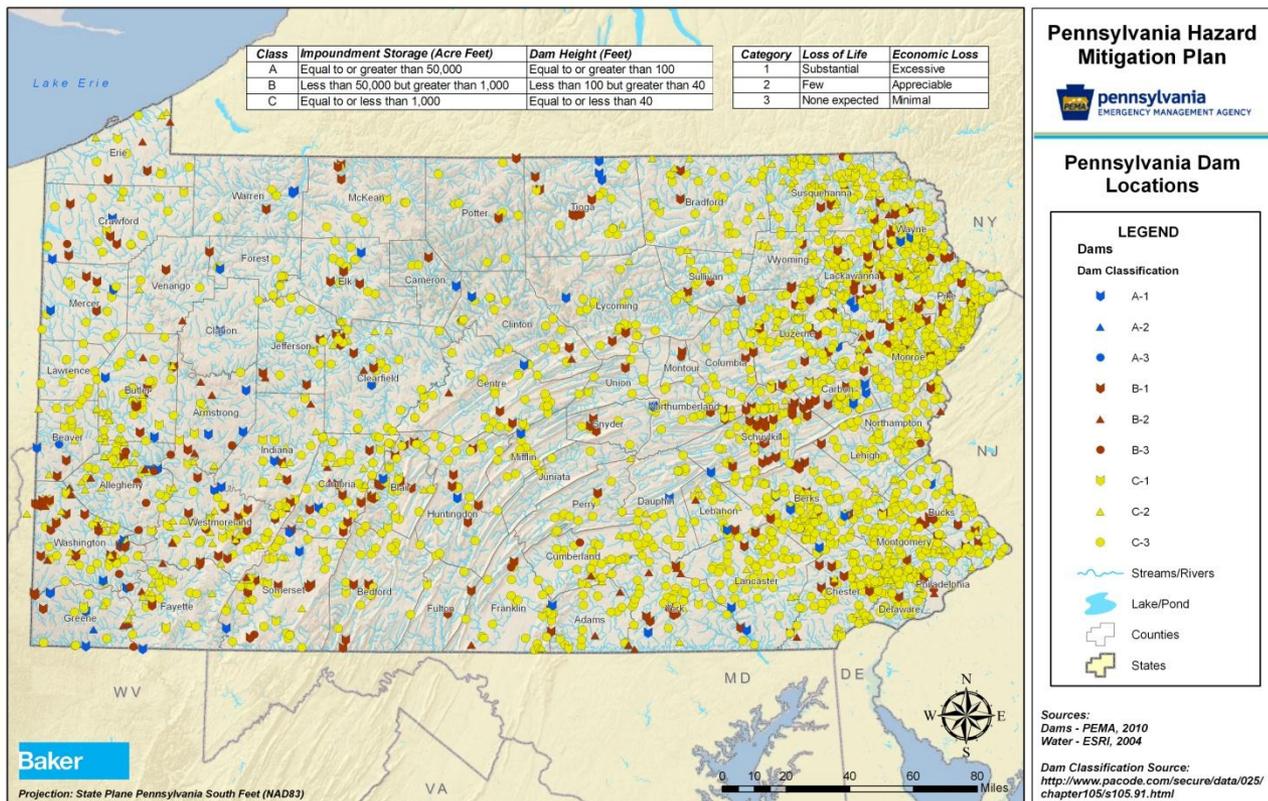
- **BureauNet** – Request an export of repetitive loss and severe repetitive loss properties and related mitigated property information.



Data Requests

- Spatial Data

- Sewage Treatment Plants
- Dams
- Public Water Supplies
- Airports & Heliports
- Tunnels
- Pipelines
- Power Lines
- Hazard and risk-related data



Hazus Data

- Hazus: FEMA's loss estimation software for floods, earthquakes, and hurricane wind hazards
- Level 2 analysis requires PA-specific data on:
 - Building occupancy types
 - Building foundation type
 - First floor elevation
 - Number of stories
 - Flood protection and flood zone
 - Structure value
 - Contents value
 - Soil maps
 - Critical and essential facility locations and building specs



List of Natural Hazards

HAZARD NAME	INCLUDED IN 2010 PA PLAN
Coastal Erosion	✓
Drought	✓
Earthquake	✓
Extreme Temperature	✓
Flood, Flash Flood, Ice Jam	✓
Hailstorm	✓
Hurricane, Tropical Storm, Nor'easter	✓
Invasive Species	✓

HAZARD NAME (continued)	INCLUDED IN 2010 PA PLAN
Landslide	✓
Lightning Strike	✓
Pandemic	✓
Radon Exposure	✓
Subsidence, Sinkhole	✓
Tornado, Wind Storm	✓
Wildfire	✓
Winter Storm	✓

List of Human-Made and Technological Hazards

HAZARD NAME	INCLUDED IN 2010 PA PLAN
Civil Disturbance	✓
Dam Failure	✓
Environmental Hazard	✓
Levee Failure	✓
Nuclear Incident	✓
Terrorism	✓
Transportation Accident	✓
Urban Fire and Explosion	✓
Utility Interruption	✓

Mitigation Strategy

- Mitigation Strategy acts as the blueprint for further reducing property damage and saving lives from future disasters.
- Components:
 - 🏠 **Goals:** general guidelines that describe what the Commonwealth would like to achieve.
 - 🏠 **Objectives:** specific and measurable strategies that can be done to achieve the goals.
 - 🏠 **Actions:** more specific than objectives; identify responsible parties, timeframes, and potential funding sources.

2010 Commonwealth Goals

1. Protect lives, property, environmental quality, and resources of the Commonwealth.
(13 Objectives, 45 Actions)
2. Enhance consistent coordination, collaboration, and communications among stakeholders.
(5 Objectives, 19 Actions)
3. Provide a framework for active hazard mitigation planning and implementation.
(2 Objectives, 8 Actions)
4. Build legislative support and secure funding for mitigation efforts.
(5 Objectives, 10 Actions)
5. Increase awareness, understanding, and preparedness across all sectors.
(3 Objectives, 20 Actions)

2010 Commonwealth Action Review

Table 1.3.1-1 Summary of 2010 mitigation actions.

ACTION DESCRIPTION	HAZARD	LEAD/SUPPORT AGENCY	FUNDING SOURCE	TARGET COMPLETION DATE	MEASURE OF SUCCESS	PRIORITY
Goal 1 - Protect lives, property, environmental quality, and resources of the Commonwealth, including RL and SRL properties.						
Objective 1-1: By 2013, reduce flood-related losses (with an emphasis on reducing repetitive loss and severe repetitive loss properties by 5% through promotion of the Commonwealth's flood protection program through county, state, and federal partners.						
Action 1-1a. Support new state-funded flood protection projects.	Flood	Pennsylvania Emergency Management Agency (PEMA)	Federal Emergency Management Agency (FEMA) Hazard Mitigation Assistance Programs; US Army Corp of Engineers (USACE); US Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS)	Jul-13	Secure funding for at least three new state-funded flood protection projects by March 2012.	Low

Critical Feedback Due Today

- **Contact Information Sheet**
 - Is there someone else we should contact?
- **SWOT Analysis**
- **Data Request**
- **Webinar Sign-up Sheet**
- **Evaluation of Identified Hazards and Risk**
 - Have you noticed an increase in hazards in your area? Do you think we should consider a new hazard in the State HMP?

Critical Feedback Due by April or May

- **Mitigation Action Review by agency/ organization**

ACTION DESCRIPTION	HAZARD	LEAD/SUPPORT AGENCY	FUNDING SOURCE	TARGET COMPLETION DATE	MEASURE OF SUCCESS	PRIORITY
<p><i>Action 1-4b.</i> Promote reverse notification systems in high-hazard areas.</p>	<p>All Hazards</p>	<p>Counties</p>	<p>DHS Grant Funding; Act 78 Funding</p>	<p>Jun-13</p>	<p>Identify and catalog success stories of jurisdictions utilizing reverse notification system and develop promotional materials to distribute to local jurisdictions by June 2012.</p>	<p>Medium</p>

What's Next?

Date	Event
March 20, 2013	Project Kick-Off
March 2013	Regional County Kick-Off Meetings
April 24, 2013	Risk Assessment Meeting
May 21, 2013	Mitigation Solutions Workshop
June - July 2013	Hazard Mitigation Outreach Sessions
June 2013	Regional County Outbrief Meetings
August 2013	<i>State Plan update submitted to FEMA Region III</i>
September 2013	<i>State Plan Approval</i>

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THANK YOU!